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L. Westerlund, L. Jönsson and S. Andersson, Hydrogen recombination and Σ-desorption from the Ni(100)-H-CO coadsorption system 199 (1988) 109
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V.M. Allen, W.E. Jones and P.D. Pacey, A molecular orbital study of carbon monoxide adsorption on a MnO surface 199 (1988) 309

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R. Souda, C. Oshima, S. Otani, Y. Ishizawa and M. Aono, Structure analysis of oxygen adsorbed TiC(111) by impact collision ion scattering spectroscopy 199 (1988) 154
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D.A. Asbury and G.B. Hoflund, The influence of annealing and low-pressure oxygen exposure on a sputtered Pt_3Sn alloy surface. III 199 (1988) 552
A. Wucher and H. Oechsner, Emission energy dependence of ionization probabilities in secondary ion emission from oxygen covered Ta, Nb and Cu surfaces 199 (1988) 567

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F.P. Netzer, E. Bertel and A. Goldmann, Structure and surface chemistry of 5-membered cyclic molecules on Rh(111): pyrrole 199 (1988) 87
O. M'hamedi, F. Proix, J.P. Lacharme and C.A. Sébenne, Interaction of atomic hydrogen with InP(100): comparison with the cleaved surface interaction 199 (1988) 121
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G. Pirug and H.P. Bonzel, Short range interaction of K and CO coadsorbed on Pt(111) 199 (1988) 371

D. Venus, D.A. Hensley and L.L. Kesmodel, High resolution EELS measurements of CO adsorption on Pt/Al_2O_3 model catalysts via impact scattering 199 (1988) 391

Reflection spectroscopy

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F.P. Netzer, E. Bertel and A. Goldmann, Structure and surface chemistry of 5-membered cyclic molecules on Rh(111): pyrrole 199 (1988) 87

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A.G.B.M. Sasse, P.M. Kleinherenbrink and A. van Silfhout, Missing dimer defects investigated by adsorption of nitric oxide (NO) on silicon (100) 2 × 1 199 (1988) 243
N. Aoto, E. Ikawa and Y. Kurogi, Low-energy electron energy loss spectroscopy of Cl adsorbed Si(111), Si(100) and Si(110) surfaces 199 (1988) 408
T.T. Tsong, D.L. Feng and H.M. Liu, Atomic structures in reconstruction of high index surfaces of silicon 199 (1988) 421
M. Es-Souni and A. Mosser, Comments on 'Surface segregation of Si on Fe single crystal surfaces and interaction with carbon' 199 (1988) 439
K.L. Carleton, B. Bourguignon and S.R. Leone, Desorption of a two-state system: laser probing of gallium atom spin–orbit states from silicon (100) 199 (1988) 447
M. Iwami, M. Kusaka, M. Hirai, H. Nakamura, K. Shibahara and H. Matsunami, A new application of soft X-ray spectroscopy to a non-destructive analysis of a film/substrate contact system: carbonized-layer (ultra-thin-film)/Si(100) 199 (1988) 467

Silicon carbide

M. Iwami, M. Kusaka, M. Hirai, H. Nakamura, K. Shibahara and H. Matsunami, A new application of soft X-ray spectroscopy to a non-destructive analysis of a film/substrate contact system: carbonized-layer (ultra-thin-film)/Si(100) 199 (1988) 467

Silver

M. Kusaka, M. Hirai and M. Iwami, AES and LEELS study of room temperature deposition of Ag on a CdS (air cleaved) substrate 199 (1988) 99
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L. Palaikis, D. Zurawski, M. Hourani and A. Wieckowski, Surface electrochemistry of carbon monoxide adsorbed from electrolytic solutions at single crystal surfaces of Pt(111) and Pt(100) 199 (1988) 183

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M.C. Zonnevylle, R. Hoffmann and S. Harris, Thiophene hydrodesulfurization on MoS_2; theoretical aspects 199 (1988) 320

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M. Es-Souni and A. Mosser, Comments on 'Surface segregation of Si on Fe single crystal surfaces and interaction with carbon' 199 (1988) 439

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D.R. Mullins and S.H. Overbury, The structure and composition of the NiAl(110) and NiAl(100) surfaces 199 (1988) 141

R. Souda, C. Oshima, S. Otani, Y. Ishizawa and M. Aono, Structure analysis of oxygen adsorbed TiC(111) by impact collision ion scattering spectroscopy 199 (1988) 154

J. Villain and I. Vilfan, Surface deconstruction of Au(110) 199 (1988) 165

E.C. Sowa, M.A. Van Hove and D.L. Adams, The missing-row model for the reconstructed Pt(110)–(1×2) surface: a LEED intensity analysis showing multilayer distortions 199 (1988) 174

A. Wander and B.W. Holland, The structure of formate on Cu(100) 199 (1988) L403

T.T. Tsong, D.L. Feng and H.M. Liu, Atomic structures in reconstruction of high index surfaces of silicon 199 (1988) 421

D.J. Holmes, D.R. Batchelor and D.A. King, Surface structure determination by SEXAFS: the reliability of bond lengths and coordination numbers from multi-shell analyses 199 (1988) 476

K. Yamazaki, K. Takayanagi, Y. Tanishiro and K. Yagi, Transmission electron microscope study of the reconstructed Au(001) surface 199 (1988) 595

Surface thermodynamics

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E.V.L. de Mello and M.S.O. Massunaga, Renormalization group studies for hydrogen isotopes adsorbed on graphite 199 (1988) 579

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A. Wucher and H. Oechsner, Emission energy dependence of ionization probabilities in secondary ion emission from oxygen covered Ta, Nb and Cu surfaces 199 (1988) 567

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W.T. Tysoe and R.M. Lambert, Structure and reactivity at the halogen/metal interface: chemisorption, corrosion and reaction pathways in the Pd(111)–Cl_2 system 199 (1988) 1

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E. Tronconi and L. Lietti, An exact single-curve analysis technique for TPD spectra 199 (1988) 43

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F.P. Netzer, E. Bertel and A. Goldmann, Structure and surface chemistry of 5-membered cyclic molecules on Rh(111): pyrrole 199 (1988) 87

J.-P. Lu, M.R. Albert, S.L. Bernasek and D.J. Dwyer, Adsorption state conversion of CO on Fe(100) 199 (1988) L406

K.L. Carleton, B. Bourguignon and S.R. Leone, Desorption of a two-state system: laser probing of gallium atom spin–orbit states from silicon (100) 199 (1988) 447

D.N. Belton and S. J. Schmieg, Interaction of $[Rh(CO)_2Cl]_2$ with O_2 oxidized Al(100): effect of Al_2O_3 preparation on $[Rh(CO)_2Cl]_2$ decomposition 199 (1988) 518

A. Ertl, L. Röhrer and H. Wilsch, Simple model calculations on angular and velocity distributions of molecules after recombinative desorption 199 (1988) 537

Titanium carbide

R. Souda, C. Oshima, S. Otani, Y. Ishizawa and M. Aono, Structure analysis of oxygen adsorbed TiC(111) by impact collision ion scattering spectroscopy 199 (1988) 154

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H. Onishi, T. Aruga, C. Egawa and Y. Iwasawa, Modification of surface electronic structure on TiO_2(110) and TiO_2(441) by Na deposition 199 (1988) 54

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Bao Xinhe, Dong Shuzhong and Deng Jingfa, Adsorption of oxygen on electrolytic silver by UPS and work function measurement 199 (1988) 493

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